Easy Access NT-1

User Manual and Installation Guide

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Special Note :

Changes are periodically mode to the information attached, these changes will be made in the user manual versions. Auric communication Pvt. Ltd., reserves the right and may make any improvements or changes in this documents and/or products described in this document.

365/9, Shiv Puri, Near Shiv Mandir,
Gurgaon-122001 Ph.: 0124-4202457-58
E-mail : marketing@auricin.com
Web : www.auricin.com

1. Introduction

1.1 Overview

nt-1 network terminator forms the interface between the telephone network and the subscribers, and as such, fulfills the following functions.

Data transmission, i.e.Conversion from 2-wire to 4-wire transmission.

Power feeding of subscribers.

Switching between normal mode and restricted mode.

The NT-1 module has the following interfaces:

U interface (a/b wire, exchange side)

S interface (subscriber side)

P interface, connection for the external power supply 240VAC (Power Pack) 40VDC (Rack Version)

1.2 General functional description

The electronics of NT-1 has the following functions:

Change-over of the power supply between Normal and Restricted mode.

Conversion of the signals (Codes, Level) between U interface and S interface

Galvanic isolation & Safeguarding the full duplex connection to the exchange by maintaining adequate signal quality

Also has a capability to support exchanges with no or insufficient remote power feeding. Keep slide switch SW at position UI, if power available & fed to UNT is well within range (40-115V) OR else keep at position U2, if power available & fed to UNT is Low or Zero. ***Caution: Always disconnect U & Mains while changing***

Switch(SVI) position from UI to U2 or vice versa.

2. Setting of ISDN NT-1

Setting up NT-1 for instant ISDN connection is quite simple and easy. However before connecting the NT-1 please check the following:

- NT-1 box is physically in good condition and is not damaged.
- You have NT-1 and the power cord.

Step1:

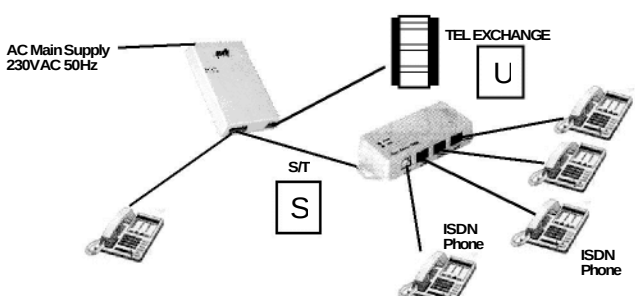
Connect U-Bus to the U Jack provided. Typically it is RJ-45 Jack which fits into the U in position. Incase there is no Jack available there is an optional availability to terminal block for connecting the U cable directly to the terminal block. This is an optional feature.

Step 2:

Connect power cable to the AC mains fo the local power (On status of **LOCAL POWER** LED indicates availability of AC Mains)

Step 3:

Connect your ISDN feature phone to the S/T interface provided with 4 wire cable. You can directly connect upto eight phones to the NT-1 at the two S/T interfaces provided (as shown in figure) but only two phones will be simultaneously operational. For details please refer to 3.2



3.1 U interface
Soket RJ45 (As shown in Shield label affixed on bottom cover)

Pin	Interface
4.5	U

3.2 **S Interface**
Two sockets R] 45, parallel (As shown in Shield label affixed on bottom cover)

Pin	Interface	Signal
3	S	Rx+
4	S	Tx+
5	S	Tx-
6	S	Rx-

3.3 P Interface
(3pin connector for Rack Version OR 2pin 230V mains connector)

Pin	Rack Version	Power Pack
1	+40VDC	AC Mains
2	GND	AC Mains
3	N.C.	

3.4 DIP Sw tch (S1) / Jumper Setting
(to be operated by authorised person only)

Switch	**Open**	**Closed**	**Defaults**
1	No connection	100 ohm termination on S Bus	Closed
2	No connection	100 ohm termination on S Bus	Closed
3	(not used)	(not used)	Open
4	S-interface: point to point	S interface: Short Bus	Closed

3.5 **U/S Status LED**

LED	**U-and S- interface states**
Off	S- and U- interface deactivated
8Hz	U activating or problem on U
1Hz	U active; S activating or problem on S
on	S and U activated

Warranty support

The Auric Network Terminator with manufacturing year/ week Code 04w Covered by a part and labour warranty against any material defect or manufacturing fault for a period of one year, except in case of other contractual agreements. The warranty comes into effect on the date of purchase or the delivery of the equipment.

In case of material defect or manufacturing faults, your equipments will be repaired or replaced free of charge upon presentation of this warranty certificate.The warranty period applicable to repaired or replaced items shall expire on the warranty end date applicable at the time of purchase of the equipment, but shall not less than three months.

The warranty does not cover:

-Damage, mal functions and defects due to a fault on the part of the customer or for which the cause is external to the equipment:power surges, humidity, accidental deterioration, misuse or improper maintaince, failure to observe the instruction to use, and all act of God.

The warranty is void if:

- the customer modifies or repair the terminal equipments himself or by using the services of persons not authorized by auric.
- the customer removes or falsifies the manufacturing year week code and /or brand marking of the terminal equipments.

AURIC ISDN peripherals

1. ISDN Feature Phone

Eurit 25

Eurit 33+

2. ISDN USB Modem

Now surf at 128 kbps with the Easy Access USB Modem. A Compact Solution with internal power and 3 external S ports, the USB Modem allows you ease of use and unlimited ISDN functionality.

- Plug and play
- Power feeding from USB port, no external power supply
- Call Bumping
- Speed Meter
- ISDN tester till ISP
- USB V1.1 Compliant
- Compatible with protocols PPP, V.120, V.110, x.75, MLPP

3. Easy Access Web NT

The Auric Easy Access Web NT makes going online so simple. It provides 2S/T interfaces for digital access and one USB interface and is ideally suited for high quality voice connectivity with ISDN phones as well as instant high speed internet access through the web port. In addition to the key features of Easy Access NT1, The Web NT also offers:-

- One USB Interface
- USB 1.1 Compliant

4. Easy Access NT+2ab+USB

Get the economy of analog, quality of digital and the speed of ISDN: the best of all worlds intergrated in a single product- Easy Access NT+2ab+USB

With an unbold data interface and ISDN TA functionality, it also offers the possibility to additionaly connect 2 analogue Phones or 1 analogue phone and 1 G3 fax without compromising on advant of ISDN line. The Web NT+2ab+USB also offers :-

- Call bumping
- plug & play

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Growth with communication

Easy Access NT-1

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